

Water-Data Report 2008

404900075043601 Local number 410568- MW95

 Sand and gravel aquifers (glaciated regions)
 Stratified Drift

Warren County, NJ

LOCATION.--Lat 40°49'00", long 75°04'36" referenced to North American Datum of 1927, White Township, Warren County, NJ, Hydrologic Unit 02040105.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 61 ft. Upper casing diameter 2 in; top of first opening 51 ft, bottom of last opening 61 ft.

DATUM.--Land-surface datum is 315 ft above National Geodetic Vertical Datum of 1929. Measuring point: Undefined.

PERIOD OF RECORD.--Water years 2004, 2008.

REMARKS.--New Jersey Department of Environmental Protection Watershed Management Area 1. Agricultural Land Use Indicator

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the New Jersey Department of Environmental Protection.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 14

[QC, quality control sample. Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Time	Sample medium and type	Depth to water level, feet below	Pump or flow rate, instantaneous LSD	Turbdty	Barometric pressure, mm Hg	Dissolved oxygen, mg/L
			(72019)	(00059)	white light, 90+/-30 det ang	(63676)	(00025) (00300)
Aug 13...	1155	QC - Artificial, Ambient blank	--	--	--	--	--
Aug 13...	1200	Ground water, regular	59.20	.13	35	9.2	752 9.8

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 14

[QC, quality control sample. Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Disolved oxygen, percent of saturation	pH, water, field, std units	Specfic conductance, wat unf	Hardness, Temperture, water, water, water, water, mg/L as CaCO3	Magnesium, Calcium, water, water, water, water, mg/L	Potassium, water, water, water, water, mg/L	Sodium, water, water, water, water, mg/L	Alkalinity, wat flt, inf tit	Bicarbonate, wat flt, infl pt	Chloride, water, titr., field, mg/L	Fluoride, water, filtrd, mg/L
	(00301)	(00400)	(00095)	(00010)	(00900)	(00915)	(00925)	(00935)	(00930)	(39086)	(00453)
Aug 13...	--	--	--	--	--	--	--	--	--	--	--
Aug 13...	99	7.2	859	15.3	380	82.9	41.2	1.01	40.7	328	398

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 14

[QC, quality control sample. Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Silica, water, filtrd, mg/L as SiO ₂ (00955)	Sulfate water, filtrd, mg/L (00945)	Residue water, filtrd, sum of consti- tuents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, filtrd, mg/L as N (00623)	Ammonia + water, filtrd, mg/L as N (00608)	Nitrate + nitrite water, filtrd, mg/L as N (00631)	Nitrite water, filtrd, mg/L as P (00613)	Ortho- phosphate, water, filtrd, mg/L as P (00671)	Organic water, filtrd, mg/L (00681)	Alum- inum, water, filtrd, μg/L (01106)	Anti- mony, water, filtrd, μg/L (01095)	Arsenic water, filtrd, μg/L (01000)
Aug													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	12.3	33.5	E492	508	<.14	<.020	6.19	<.002	.013	.7	E1.6	<.14	.24

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 4 of 14

[QC, quality control sample. Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Barium, water, filtrd, μg/L (01005)	Beryll- ium, water, filtrd, μg/L (01010)	Boron, water, filtrd, μg/L (01020)	Cadmium water, filtrd, μg/L (01025)	Chrom- ium, water, filtrd, μg/L (01030)	Copper, water, filtrd, μg/L (01040)	Iron, water, filtrd, μg/L (01046)	Lead, water, filtrd, μg/L (01049)	Mangan- ese, water, filtrd, μg/L (01056)	Mercury water, filtrd, μg/L (71890)	Nickel, water, filtrd, μg/L (01085)	Selen- ium, water, filtrd, μg/L (01145)	Silver, water, filtrd, μg/L (01075)
Aug													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	28	<.01	16	<.04	2.4	<1.0	14	E.05	2.1	<.010	4.0	.28	<.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 5 of 14

[QC, quality control sample. Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Thall- ium, water, filtrd, μg/L (01057)	Zinc, water, filtrd, μg/L (01090)	1-Naph- thol, water, filtrd, 0.7u GF (49295)	2,6-Di- ethyl- aniline water, filtrd, 0.7u GF (82660)	2'6'- diethyl acet- anilide wat flt μg/L (61618)	CIAT, water, filtrd, μg/L (04040)	2-Ethy- l-methyl- aniline water, filtrd, μg/L (61620)	-6- methyl- aniline water, filtrd, μg/L (61625)	3,4-Di- chloro- aniline water, filtrd, μg/L (61627)	3,5-Di- chloro- aniline water, filtrd, μg/L (61633)	4- Chloro- 2methyl phenol water, filtrd, μg/L (49260)	Aceto- chlor, water, filtrd, μg/L (46342)	Ala- Endo- sulfan, water, filtrd, μg/L (34362)
Aug													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	<.04	2.1	<.04	<.006	<.010	<.014	<.010	<.006	<.008	<.005	<.006	<.006	<.006

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 6 of 14

[QC, quality control sample. Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Atra-zine, water, fltrd, μg/L (39632)	Azin-phos-methyl oxon, water, fltrd, μg/L (61635)	Azin-phos-methyl, water, fltrd, 0.7u GF μg/L (82686)	Ben-flur-alin, water, fltrd, 0.7u GF μg/L (82673)	Car-baryl, water, fltrd, 0.7u GF μg/L (82680)	Carbo-furan, water, fltrd, 0.7u GF μg/L (82674)	Chlor-pyrifos oxon, water, fltrd, μg/L (61636)	Chlor-pyrifos water, fltrd, 0.7u GF μg/L (38933)	cis-Per-methrin water, fltrd, 0.7u GF μg/L (82687)	cis-Propi-conazole, water, fltrd, μg/L (79846)	Cyana-zine, water, fltrd, μg/L (04041)	Cyflu-thrin, water, fltrd, μg/L (61585)	Iambda-Cyhalo-thrin, water, fltrd, μg/L (61595)
Aug													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	<.007	<.04	<.120	<.010	<.060	<.020	<.06	<.005	<.010	<.006	<.020	<.016	<.004

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 7 of 14

[QC, quality control sample. Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Cyper-methrin water, fltrd, 0.7u GF μg/L (61586)	DCPA, water, fltrd, 0.7u GF μg/L (82682)	Desulf-inyl-fipro-nil, water, fltrd, μg/L (62170)	Diazi-non, water, fltrd, μg/L (39572)	Dicro-tophos, water, fltrd, μg/L (38454)	Diel-drin, water, fltrd, μg/L (39381)	Dimeth-oate, water, fltrd, 0.7u GF μg/L (82662)	Disulf-ton, sulfone, water, fltrd, 0.7u GF μg/L (61640)	Disulf-foton, water, fltrd, 0.7u GF μg/L (82677)	Endo-sulfan, water, fltrd, 0.7u GF μg/L (61590)	EPTC, water, fltrd, 0.7u GF μg/L (82668)	Ethion, monoxon, water, fltrd, μg/L (61644)	Ethion, water, fltrd, μg/L (82346)
Aug													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	<.014	<.003	<.012	<.005	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.006

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 8 of 14

[QC, quality control sample. Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Etho-prop, water, fltrd, 0.7u GF μg/L (82672)	Fenami-phos, sulfone, water, fltrd, μg/L (61645)	Fenami-sulf-oxide, water, fltrd, μg/L (61646)	Fenami-phos, amide, water, fltrd, μg/L (61591)	Desulf-inyl-fipro-nil, water, fltrd, μg/L (62169)	Fipro-nil, sulfide, water, fltrd, μg/L (62167)	Fipro-nil, sulfone, water, fltrd, μg/L (62168)	Fipro-nil, water, fltrd, μg/L (62166)	Fonofos, water, fltrd, μg/L (04095)	Hexa-zinone, water, fltrd, μg/L (04025)	Ipro-dione, water, fltrd, μg/L (61593)	Isofen-phos, water, fltrd, μg/L (61594)	Mala-oxon, water, fltrd, μg/L (61652)
Aug													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	<.012	<.053	<.20	<.03	<.029	<.013	<.024	<.020	<.010	<.008	<.01	<.006	<.020

Water-Data Report 2008

404900075043601 Local number 410568- MW95—Continued

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 9 of 14

[QC, quality control sample. Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Methyl para-thion, water, fltrd, µg/L (39532)												Methidathion, water, fltrd, µg/L (61596)												Metolachlor, water, fltrd, µg/L (82667)												Metrabuzin, water, fltrd, µg/L (39415)												Molinate, water, fltrd, µg/L (82630)												Myco-butanol, water, fltrd, µg/L (82671)												Oxyfluorfen, water, fltrd, µg/L (61599)												Pendi-methalin, water, fltrd, µg/L (61600)												Phorate oxon, water, fltrd, µg/L (82683)												Phorate water, fltrd, µg/L (61666)												Phorate water, fltrd, µg/L (82664)											
	Malathion, water, fltrd, µg/L (39532)	Metolachlor, water, fltrd, µg/L (61596)	Methidathion, water, fltrd, µg/L (61598)	Methyl para-oxon, water, fltrd, µg/L (61664)	Methyl para-thion, water, fltrd, 0.7u GF (82667)	Metolachlor, water, fltrd, µg/L (39415)	Metrabuzin, water, fltrd, µg/L (82630)	Molinate, water, fltrd, µg/L (82671)	Myco-butanol, water, fltrd, µg/L (61599)	Oxyfluorfen, water, fltrd, µg/L (61600)	Pendi-methalin, water, fltrd, µg/L (82683)	Phorate oxon, water, fltrd, µg/L (61666)	Phorate water, fltrd, µg/L (82664)																																																																																																																							
Aug 13...	--	--	--	--	--	--	--	--	--	--	--	--																																																																																																																								
13...	<016	<007	<.004	<.01	<.008	<.010	<.012	<.003	<.010	<.006	<.012	<.03	<.040																																																																																																																							

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 10 of 14

[QC, quality control sample. Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

	Phosmet oxon, water, filtrd,	Phosmet water, filtrd,	Prome-ton, water, filtrd,	Prome-tryn, water, filtrd,	Propyzamide, water, 0.7u GF	Propanil, water, filtrd	Propar-gite, water, filtrd	Sima-zine, water, filtrd,	Tebu-thiuron, water, 0.7u GF	Teflu-thrin, water, filtrd,	Ter-bufos oxon sulfone, water, filtrd	Terbu-fos, water, filtrd,	Ter-buthyl-azine, water, filtrd,
Date	µg/L (61668)	µg/L (61601)	µg/L (04037)	µg/L (04036)	µg/L (82676)	µg/L (82679)	µg/L (82685)	µg/L (04035)	µg/L (82670)	µg/L (61606)	µg/L (61674)	µg/L (82675)	µg/L (04022)
Aug 13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	<.06	<.008	<.01	<.006	<.004	<.006	<.04	<.006	<.02	<.003	<.04	<.02	<.01

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 11 of 14

[QC, quality control sample. Remark codes: < less than; E: estimated; R: radchem non-detect, below ssLc.]

[Qc, quality control sample; T, blank sample; -, below detection limit; ND, not detected; BOD, below detection limit]																				
	trans-Thio-bencarb		Propi-conazole, water, fltrd, 0.7u GF		Tri-Tributylphos, water, fltrd, 0.7u GF		1,1,1-Trichloroethane, water, fltrd, unfltrd		1,1-Dichloroethane, water, fltrd, unfltrd		1,1-Dichloroethene, water, fltrd, unfltrd		1,2-Dichlorobenzene, water, fltrd, unfltrd		1,2-Dichloropropane, water, fltrd, unfltrd		1,3-Dichlorobenzene, water, fltrd, unfltrd		1,4-Dichlorobenzene, water, fltrd, unfltrd	
Date	µg/L (82681)	µg/L (79847)	µg/L (61610)	µg/L (82661)	µg/L (34506)	µg/L (77652)	µg/L (34496)	µg/L (34501)	µg/L (34536)	µg/L (32103)	µg/L (34541)	µg/L (34566)	µg/L (34571)							
Aug 13...	--	--	--	--	<.1	<.1	<.1	<.1	<.1	<.2	<.1	<.1	<.1							
13...	<0.10	<0.2	<0.35	<0.09	<1	<1	<1	<1	<1	<2	<1	<1	<1							

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 12 of 14

[QC, quality control sample. Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Bromo-	Tri-		cis-	Di-	Di-	Di-	Di-	Diiso-	Ethyl-	Methyl	
	di-chloro-	bromo-	Chloro-	1,2-Di-	bromo-	chloro-	di-	chloro-	ethyl	benzene	tert-pentyl	
Benzene	methane	methane	benzene	chloro-ethene,	chloro-	chloro-	chloro-	ether,	propyl	water,	meta-Xylene,	
water,	water,	water,	water,	water,	methane	water,	methane	water,	water,	unfltrd	water,	
unfltrd	unfltrd	unfltrd	unfltrd	unfltrd	unfltrd	wat	unfltrd	unfltrd	unfltrd	unfltrd	unfltrd	
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
	(34030)	(32101)	(32104)	(34301)	(77093)	(32105)	(34668)	(34423)	(81576)	(34371)	(50005)	(85795)
Aug												
13...	<.1	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.2	<.2
13...	<.1	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.1	<.2	<.2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 13 of 14

[QC, quality control sample. Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	o-Xylene,	t-Butyl	Methyl	Tetra-	Tetra-	trans-	Tri-	Tri-	Vinyl	Di-	
	water,	ethyl	t-butyl	chloro-	chloro-	1,2-Di-	chloro-	chloro-	chloro-	chloro-	
	water,	ether,	ether,	ethene,	methane	ethene,	ethene,	methane	methane	ide,	
	unfltrd	unfltrd	unfltrd	water,							
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
	(77135)	(77128)	(50004)	(78032)	(34475)	(32102)	(34010)	(34546)	(39180)	(34488)	
Aug											
13...	<.1	<.1	<.1	<.2	<.1	<.2	<.1	<.1	<.1	<.2	<.2
13...	<.1	<.1	<.1	.3	<.1	<.2	<.1	<.1	<.1	<.2	<.01

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 14 of 14

[QC, quality control sample. Remark codes: <, less than; E, estimated;
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Date	Alpha	Alpha	Beta	Beta
	radioac	radioac	radioac	radioac
	30 day,	72 hr,	30 day,	72 hr,
	wat flt	wat flt	wat flt	wat flt
	Th-230,	Th-230,	Cs-137,	Cs-137,
	pCi/L	pCi/L	pCi/L	pCi/L
	(62639)	(62636)	(62645)	(62642)

Aug				
13...	--	--	--	--
13...	R-1.4	1.9	.9	.8